
e-Learning Introduction to SAS Training Content



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Created : 31 January 2019



Course Aims

The goals of this course are to:

- Familiarise delegates with the SAS System.
- Demonstrate what the SAS System is and what it is used for.
- Demonstrate the windows that will be used.
- Show how to submit, recall and debug programs.
- Show how to obtain help.
- Demonstrate how to store and retrieve programs and data sets.
- Show how to customise SAS Sessions.
- Introduce utility procedures such as PROC FREQ.

Duration

1 day

Required Knowledge

No previous programming knowledge is assumed

Introduction Course

1. Background

1.1 The SAS System

- Starting a SAS Session
- Enterprise Guide Users

2. Navigation

2.1 The SAS Environment

- Overview of the SAS Environment

2.2 The Explorer & Results Windows

- Explorer Window
- Results Window

2.3 The Log & Output Window

- Log Window
- Output Window
- Results Viewer

2.4 The Program & Enhanced Program Editor Windows

- Program Editor Window
- Enhanced Editor Window
- Customising your Enhanced Editor

2.4 Exercises

2.4 Solutions

2.5 Submitting a SAS Program

- Running SAS programs
- Recalling a SAS Program
- Examining Log and Results Windows
- Halting Program Execution

2.5 Exercises

2.5 Solutions

3. Obtaining Help

3.1 The SAS System Help

4. Working with SAS Data

4.1 SAS Data Sets & Libraries

- SAS Data
- Assigning Librefs
- Exploring SAS Libraries, SAS Catalogs and SAS Data Sets
- Copying SAS Data Sets

4.1 Exercises

4.1 Solutions

4.2 Basic Objects & Principles of SAS Programming

- Global Statements
- The Assignment Statement
- SAS Variable Types – Numeric (including Dates) and Character
- SAS Operators

- SAS Expressions

- SAS Comments

- 4.2 Exercises

- 4.2 Solutions

4.3 Importing & Exporting Data

- Using the Import Wizard

- Using the Export Wizard

- 4.3 Exercises

- 4.3 Solutions

4.4 An introduction to Reporting

- Listing Reports with PROC PRINT

- Summary Reports with PROC MEANS

- 4.4 Exercises

- 4.4 Solutions

5. Customising the SAS System

5.1 System Options & Assigning Commands to Keys

- System Options

- Customising Keys

5.2 File Short-cuts and Keyboard Macros

- Assigning File Shortcuts

- Keyboard Macros

5.3 Customising Toolbars & Setting Preferences

- Customising Toolbars

- Setting Preferences

- The Preferences Menu